## PART B - FEE(S) TRANSMITTAL omplete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 APR 0 7 2005 Alexandria, Virginia 22313-1450 (703) 746-4000 or Fax FRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where roughly first correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as icated threes corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. Daniel L. Dawes Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below. Myers Dawes Andras & Sherman LLP CUUS 4 5 MAL. 11th Floor 19900 MacArthur Boulevard Irvine, CA 92612 Anm Breen Myers Dawes Andras & (Signature) 00 Sh**e**rman LLP (Date 2005 APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 01/23/2004 10/763,541 Amnon Yariv CIT.PAU.43 7499 TITLE OF INVENTION: TRAVERSE BRAGG RESONANCE LASERS AND AMPLIFIERS AND METHOD OF OPERATING THE SAME APPLN. TYPE SMALL ENTITY **ISSUE FEE PUBLICATION FEE** TOTAL FEE(S) DUE DATE DUE 04/08/2005 DENMANU2 00000127 10763541 04/21/2005 YES \$700 \$300 nonprovisional CLASS-SUBCLASS FC: 2501 **EXAMINER** ART UNIT 700.00 OP 02 FC:1504 300.00 DP 2874 385-010000 LEE, JOHN D 03 FC:8001 30.00 DD 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Daniel L. Dawes (1) the names of up to 3 registered patent attorneys Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, Myers Dawes Andras (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is "Fee Address" indication (or "Fee Address" Indication form Sherman PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer listed, no name will be printed. Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

| (A) NAME OF ASSIGNEE                                                                                                                                                                                                 | (B) RESIDENCE: (CITY and STATE OR COUNTRY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
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| Califoria Institute of Technology                                                                                                                                                                                    | Pasadena, California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
| Please check the appropriate assignee category or categories (will not be                                                                                                                                            | printed on the patent):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| 4a. The following fee(s) are enclosed:                                                                                                                                                                               | 4b. Payment of Fee(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| Issue Fee                                                                                                                                                                                                            | A check in the amount of the fee(s) is enclosed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |
| Publication Fee (No small entity discount permitted)                                                                                                                                                                 | Payment by credit card. Form PTO-2038 is attached. additional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Advance Order - # of Copies                                                                                                                                                                                          | The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| 5. Change in Entity Status (from status indicated above)                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.                                                                                                                                                            | ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |
| The Director of the USPTO is requested Dapply the Issue Fee and Publ NOTE: The Issue Fee and Publication Fee (if required) will not be accepinterest as shown by the records of the United States Patent and Pradema | ication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.  oted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in oth |  |  |  |
| Authorized Signature                                                                                                                                                                                                 | ans Date 3/31/05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |
| Typed or printed name Daniel L. Dawes                                                                                                                                                                                | Registration No. 27, 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |
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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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| TRANSMITTAL OF PAYMENT OF ISSUE FEE (Small Entity) (37/C.F.R. 1.311) |                                                                                                      |                                                                              |                             |                    |                                                                                                      | Docket No.<br>CIT1.PAU.43             |                                                                   |                                         |  |  |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------|--------------------|------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------|--|--|
| App                                                                  | Applicant(s): Amnon Yariv  APR 0 7 2005                                                              |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | plication No.<br>10/763,541                                                                          | Filing Date 01/23/2004                                                       | Examine<br>John D. L        |                    | Customer I<br>23386                                                                                  | No.                                   | Group Art Unit<br>2874                                            | Confirmation No. 7499                   |  |  |
| Inv                                                                  | Invention: TRAVERSE BRAGG RESONANCE LASERS AND AMPLIFIERS AND METHOD OF OPERATING THE SAME           |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | Mail Stop Issue Fee<br>COMMISSIONER FOR PATENTS<br><u>P.O. Box 1450</u><br>Alexandria, VA 22313-1450 |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
| Tran<br>⊠                                                            | smitted herewit                                                                                      | th are the following fo<br>insmittal Form PTOL-                              | or the above-identif<br>-85 | ed app             | olication.                                                                                           |                                       |                                                                   |                                         |  |  |
| M                                                                    | Utility Fee:                                                                                         | \$ 700.00                                                                    | ☐ Design Fee:               |                    |                                                                                                      |                                       | Plant Fee:                                                        |                                         |  |  |
|                                                                      | Publication Fe<br>A check in the                                                                     | ,                                                                            | )30.00 is attac             | had                |                                                                                                      |                                       |                                                                   |                                         |  |  |
| $\boxtimes$                                                          | The Director is                                                                                      | s hereby authorized t                                                        |                             |                    | sit Account No.                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | as described                                                                                         | pelow.<br>arge the amount of                                                 |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | <u> </u>                                                                                             | edit any overpayment                                                         | t.                          |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | ⊠ Cha                                                                                                | arge any additional fe                                                       | ee required.                |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | •                                                                                                    | redit card. Form PTC                                                         |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | WARNING: Information on this form may become public. Credit card information should not be           |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | included on this form. Provide credit card information and authorization on PTO-2038.                |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | 1 Ka                                                                                                 | 1                                                                            | Kanda                       |                    | 10                                                                                                   | /                                     | 5,2005                                                            | _                                       |  |  |
|                                                                      | Dated: April 5, 2005                                                                                 |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | <i>_</i>                                                                                             |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
| . ,                                                                  |                                                                                                      | Reg. No. 27,123                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | •                                                                                                    | idras & Sherman LLF<br>ir Boulevard, Suite 11                                |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | rvine, California                                                                                    | ·                                                                            | .30                         |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
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| cc:                                                                  |                                                                                                      |                                                                              |                             |                    |                                                                                                      |                                       |                                                                   |                                         |  |  |
|                                                                      | Certii<br>This co                                                                                    | ficate of Transmission be<br>ertificate may only be us<br>by deposit account | sed if paying               |                    | Certificate of                                                                                       | Maili                                 | ing by First Class I                                              | Mail                                    |  |  |
|                                                                      | account is being<br>and Trademark<br>on                                                              | this document and au<br>g facsimile transmitted t<br>Office (Fax             |                             | 1                  | hereby certify that with the United State irst class mail in an Fee, Commissioner 22313-1450" [37 CF | es Pos<br>n enve<br>for Pat<br>R 1.8( | tal Service with suff<br>lope addressed to<br>ents, P.O. Box 1450 | icient postage as  <br>"Mail Stop Issue |  |  |
|                                                                      | (Date)                                                                                               |                                                                              |                             |                    | (Date)                                                                                               | $\overline{()}$                       | \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \                           | \ \                                     |  |  |
|                                                                      |                                                                                                      | Signature                                                                    |                             |                    | Signature of                                                                                         | of Perso                              | on Mai <del>lin</del> g Correspon                                 | ndence                                  |  |  |
|                                                                      |                                                                                                      | -                                                                            |                             | $\  \ \ _{\prime}$ | / /                                                                                                  |                                       | Ann Breen                                                         |                                         |  |  |
|                                                                      | Typed or Pr                                                                                          | rinted Name of Person Sign                                                   | ing Certificate             |                    | Typed or Printed                                                                                     | Name o                                | of Person Mailing Co                                              | rrespondence                            |  |  |



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## NOTICE OF ALLOWANCE AND FEE(S) DUE

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01/21/2005

Daniel L. Dawes Myers Dawes Andras & Sherman LLP 11th Floor 19900 MacArthur Boulevard Irvine, CA 92612 RECEIVED

EXAMINER

LEE, JOHN D

PAPER NUMBER

ART UNIT

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DATE MAILED: 01/21/2005

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|-----------------|-------------|---|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE |   | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/763,541      | 01/23/2004  | ; | Amnon Yariv          | CIT.PAU.43          | 7499             |

TITLE OF INVENTION: TRAVERSE BRAGG RESONANCE LASERS AND AMPLIFIERS AND METHOD OF OPERATING THE SAME

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | YES          | \$700     | \$300           | \$1000           | 04/21/2005 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.